

CLAIMS

1. Sanitary component (1) comprising a jet regulating device in an interior of a mounting housing for (6) the separation of an inflowing fluid flow into a multitude of individual jets, downstream from the jet regulating device, said jet regulating device including at least one mounted element (5) that can be mounted in the mounting housing (6), that has ridges (11) oriented transverse to a direction of flow, between which passageways are defined, whereby the ridges (11) of at least one mounted element (5a, 5b, 5c, 5d, 5e) are arranged in the form of a grid or mesh, crossing itself at junction points (10), and whereby at least one of the mounted elements (5a, 5c) of the jet regulating device (4) is arranged relative to the jet separating device such that the individual jets impinge upon junction points (10) of at least another one of the mounted elements (5a, 5c).
2. Component according to claim 1, characterized in that the jet separating device is shaped as a perforated plate (2).
3. Component according to claim 1, characterized in that at least two neighboring mounted elements (5a, 5b, 5c, 5d, 5e) are provided with ridges (11) arranged in the form of a grid or mesh.
4. Component according to claim 3, characterized in that the ridges (11) and the junction points (10) of at least two neighboring mounted elements (5a, 5b) align with one another.
5. Component according to claim 4, characterized in that at least two of the mounted elements (5a, 5b) are constructed in the same way.

6. Component according to claim 1, characterized in that the passageways (12) of one of the mounted elements (5a, 5c) are downstream of the junction points (10) of the neighboring mounted elements (5b, 5e) in the direction of the flow.
7. Component according to claim 1, characterized in that at least one of the mounted elements (5) on the inflow- and/or outflow side is arranged in a layer that is preferably oriented transverse to the direction of flow.
8. Component according to claim 1, characterized in that a one of the mounted elements (5a, 5b) on the flow- and/or outflow side includes two groups of parallel grid ridges (11) that cross one another.
9. Component according to claim 1, characterized in that one of the mounted elements (5c, 5e) on the inflow- and/or outflow side has a group of radial ridges (11') that cross themselves at the junction points (10) with a group of rotary ridges (11'') that are concentric and in the form of a ring.
10. Component according to claim 1, characterized in that one of the mounted elements (5d) on the inflow- and/or outflow side has ridges (11) that cross themselves in a radial manner or in the form of a mesh.
11. Component according to claim 1, characterized in that the ridges (11) of at least one mounted element (5) are arranged in a layer oriented transverse to the direction of flow.
12. Component according to claim 1, characterized in that the mounted elements (5) are shaped in the form of discs.

13. Component according to claim 1, characterized in that the jet regulating device (4) is downstream on the outflow side of a flow regulator (14), that possesses passage openings (15) whose opening width (15) is smaller than a height in the direction of flow.

14. Component according to claim 13, characterized in that the flow regulator (14) is attached at a discharge end of the mounting housing (6).

15. Component according to claim 1, characterized in that the flow regulator (14) is connected in one piece with the mounting housing (6) or can be directly mounted in the mounting housing (6) as a separate mounted element.

16. Component according to claim 13, characterized in that the flow regulator (14) has passage openings (15) that are rectangular, in the form of segments of a circle or in the form of a honeycomb.

17. Component according to claim 1, characterized in that the mounting housing is divided into at least two housing parts (7, 8), such that the housing parts (7,8) that are detachable and can be combined with one another, and such that a housing part (7) on the inflow side is solidly and intractably connected with a perforated plate (3).

18. Component according to claim 17, characterized in that the jet separating device (2) is combined in one piece with the housing part (7) attached to it.

19. Component according to claim 1, characterized in that mounting housing (6) has two housing parts (7, 8) that are detachable and that can be combined with one another and oriented transverse to the direction of flow.
20. Component according to claim 19, characterized in that the detachable housing parts (7, 8) of the mounting housing (6) can be connected with one another.
21. Component according to claim 17, characterized in that a housing part (8) on the outflow side is attached in the form of a sleeve and can be mounted in the housing part (8) of at least one mounted element (5) of the jet regulating device (4).
22. Component according to claim 17, characterized in that the housing part (8) is assigned to the jet regulating device (4) of at least one mounted element (5) from whose inflow side out to a plug stop (9) or a support can be mounted.
23. Component according to claim 17, characterized in that the mounting housing formed of at least two housing parts (7, 8) that can be combined with one another are attached in the jet regulating device that can be mounted in the mounting housing.
24. Component according to claim 1, characterized in that the jet regulating device and/or the flow regulator possesses at least one metal filter.
25. Component according to claim 1, characterized in that the jet regulating device of the component (1) is constructed in a modular manner and the multiple optional mounted elements (5a, 5b, 5c, 5e) are attached to one another.

SMB-PT121
(PC 03 445 B)

26. Component according to claim 1, characterized in that the mounted elements (5), of which there are at least two, are arranged one after another at a distance.

27. Component according to claim 17, characterized in that the housing part (8) on the outflow side possesses at least one soft and/or water-repellent water surface at least in an area of the water discharge opening.

28. Component according to claim 27, characterized in that the housing part (8) on the outflow side is manufactured out of an elastic material at least in the area of the water discharge opening.

29. Component according to claim 1, characterized in that the housing part (8) on the outflow side is manufactured substantially out of an elastic material and/or a material with soft or water-repellent surface.

30. Component according to claim 1, characterized in that the housing part (8) on the outflow side is braced by longitudinal ridges (22) in a circumferential direction that are distributed, in an equal manner.

31. Component according to claim 31, characterized in that the longitudinal ridges (22) are provided at least in the area of the discharge opening.

32. Component according to claim 17, characterized in that the housing part (8) on the outflow side in the area of the water discharge opening possesses at least one constriction (23) or narrowing of its flow-through cross section.

SMB-PT121
(PC 03 445 B)

33. Component according to claim 17, characterized in that the housing part (8) on the outflow side can be combined with the neighboring housing part (7) on the inflow side, via a rotary snap-on connection.